



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION I
475 ALLENDALE ROAD
KING OF PRUSSIA, PA 19406-1415

July 21, 2011

Mr. Kevin Bronson
Site Vice President
Entergy Nuclear Northeast
James A. FitzPatrick Nuclear Power Plant
Post Office Box 110
Lycoming, NY 13093

SUBJECT: JAMES A. FITZPATRICK NUCLEAR POWER PLANT – NRC EVALUATED
EMERGENCY PREPAREDNESS EXERCISE – INSPECTION REPORT
NO. 05000333/2011502

Dear Mr. Bronson:

On June 23, 2011, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection of the June 21, 2011, evaluated emergency preparedness exercise at your James A. FitzPatrick Nuclear Power Plant. The enclosed inspection report documents the inspection results, which were discussed on June 23, 2011, with you and other members of your staff.

The inspection examined activities conducted under your license as they relate to safety and compliance with the Commission's rules and regulations and with the conditions of your license. The inspectors reviewed selected procedures and records, observed activities, and interviewed personnel.

Based on the results of this inspection, no findings were identified.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure and your response (if any) will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of the NRC's document system, Agencywide Documents Access and Management System (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Sincerely,

A handwritten signature in black ink, appearing to read "Jm Trapp", is located below the "Sincerely," text.

James M. Trapp, Chief
Plant Support Branch 1
Division of Reactor Safety

Docket No. 50-333
License No. DPR-59

Enclosure:
NRC Inspection Report 05000333/2011502

cc w/encl: Distribution via ListServ

Mr. Kevin Bronson
Site Vice President
Entergy Nuclear Operations, Inc.
James A. FitzPatrick Nuclear Power Plant
P. O. Box 110
Lycoming, NY 13093

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/RA/

James M. Trapp, Chief
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SUNSI Review Complete: JMT (Reviewer's Initials)

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DATE	07/18/11	07/20/11	07/21/11				

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U.S. NUCLEAR REGULATORY COMMISSION

REGION I

Docket No.: 05000333

License No.: DPR-59

Report No.: 05000333/2011502

Licensee: Entergy Nuclear Northeast (Entergy)

Facility: James A. FitzPatrick Nuclear Power Plant

Location: Scriba, New York

Dates: June 20-23, 2011

Inspectors: S. Barr, Sr. Emergency Preparedness Inspector, Division of Reactor Safety (DRS),
Region I (Lead)
R. Rolph, Health Physicist, DRS, Region I
B. Dionne, Health Physicist, DRS, Region I
C. Crisden, Emergency Preparedness Inspector, DRS, Region I
F. Laughlin, Emergency Preparedness Specialist, NSIR
B. Cecere, Emergency Preparedness Specialist, NSIR (Observer)

Approved by: James M. Trapp, Chief
Plant Support Branch 1
Division of Reactor Safety

Enclosure

SUMMARY OF FINDINGS

IR 05000333/2011502; 06/20/2011 - 06/23/2011; James A. FitzPatrick Nuclear Power Plant; Exercise Evaluation; Emergency Action Level and Emergency Plan Changes; Emergency Preparedness Performance Indicators.

This was an announced inspection conducted by four region-based and one headquarters-based inspector. No findings of significance were identified. The NRC's program for overseeing the safe operation of commercial nuclear power reactors is described in NUREG-1649, "Reactor Oversight Process," Revision 4, dated December 2006.

Cornerstone: Emergency Preparedness

A. NRC-Identified and Self-Revealing Findings

No findings were identified.

B. Licensee-Identified Findings

None.

REPORT DETAILS

1. REACTOR SAFETY

Cornerstone: Emergency Preparedness (EP)

1EP1 Exercise Evaluation (71114.01 – 1 Sample)

a. Inspection Scope

Prior to the June 21, 2011, emergency preparedness exercise, the NRC inspectors conducted an in-office review of the exercise objectives and scenario, which Entergy had submitted to the NRC, to determine if the exercise would test major elements of the James A. FitzPatrick Emergency Plan as required by 10 CFR 50.47(b)(14). This overall exercise inspection activity represented the completion of one sample on a biennial cycle.

The exercise evaluation consisted of the following review and assessment:

- The adequacy of Entergy's performance in the biennial full-participation exercise regarding the implementation of the risk-significant planning standards (RSPS) described in 10 CFR 50.47(b)(4), (5), (9), and (10), which are: emergency classification; offsite notification; radiological assessment; and protective action recommendations, respectively.
- The overall adequacy of Entergy's FitzPatrick emergency response facilities with regard to NUREG-0696, "Functional Criteria for Emergency Response Facilities," and Emergency Plan commitments. The facilities assessed were the Control Room Simulator, Technical Support Center (TSC), Emergency Operations Facility (EOF), and the Joint Information Center (JIC).
- A review of other performance areas, such as: the FitzPatrick emergency response organization's (ERO) recognition of abnormal plant conditions; command and control; intra- and inter-facility communications; prioritization of mitigating activities; utilization of repair and field monitoring teams; interface with offsite agencies; staffing and procedure adequacy; and the overall implementation of the emergency plan and its implementing procedures.
- A review of past performance issues from the last NRC FitzPatrick inspection report and Entergy's FitzPatrick EP drill reports, to determine the effectiveness of licensee corrective actions as demonstrated during the June 21, 2011, exercise and to ensure compliance with 10 CFR 50.47(b)(14).
- The licensee's post-exercise critiques, to evaluate Entergy's self-assessment of its ERO performance during the June 21, 2011, exercise and to ensure compliance with 10 CFR 50, Appendix E, Section IV.F.2.g.

The inspectors reviewed the documents listed in the attachment to this report.

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b. Findings

No findings were identified.

1EP4 Emergency Action Level (EAL) and Emergency Plan Changes (71114.04 – 1 Sample)

a. Inspection Scope

Since the last NRC inspection of this program area, in May 2010, Entergy implemented various revisions of the different sections of the Entergy James A. FitzPatrick Emergency Plan. Entergy had determined that, in accordance with 10 CFR 50.54(q), any change made to the Plan, and its lower-tier implementing procedures, had not resulted in any decrease in effectiveness of the Plan, and that the revised Plan continued to meet the requirements of 10 CFR 50.47(b) and Appendix E to 10 CFR 50. The inspectors reviewed all EAL changes that Entergy had made since May 2010, and conducted a sampling review of other Emergency Plan changes, including the changes to lower-tier emergency plan implementing procedures, to evaluate for any potential decreases in effectiveness of the Emergency Plan. However, this review was not documented in an NRC Safety Evaluation Report and does not constitute formal NRC approval of the changes. Therefore, these changes remain subject to future NRC inspection in their entirety.

b. Findings

No findings were identified.

4. **OTHER ACTIVITIES (OA)**

4OA1 Performance Indicator (PI) Verification (71151 – 3 Samples)

a. Inspection Scope

The inspectors reviewed data for the FitzPatrick EP PIs, which are: (1) Drill and Exercise Performance (DEP); (2) Emergency Response Organization (ERO) Drill Participation; and, (3) Alert and Notification System (ANS) Reliability. The last NRC EP inspection at FitzPatrick was conducted in the second quarter of 2010, so the inspectors reviewed supporting documentation from EP drills, training records, and equipment tests from the second calendar quarter of 2010 through the first quarter of 2011, to verify the accuracy of the reported PI data. The review of these PIs was conducted in accordance with NRC Inspection Procedure 71151, using the acceptance criteria documented in NEI 99-02, "Regulatory Assessment Performance Indicator Guidelines," Revision 6.

This inspection activity represented the completion of three samples on an annual cycle.

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b. Findings

No findings were identified.

4OA6 Meetings, Including Exit

On June 23, 2011, the inspectors presented the results of this inspection to Mr. K. Bronson, the Site Vice President, and other members of the Entergy staff. No proprietary information was provided to the inspectors during this inspection.

Enclosure

ATTACHMENT

SUPPLEMENTAL INFORMATION

KEY POINTS OF CONTACT

Licensee Personnel

K. Bronson, Site Vice President
J. Barnes, Emergency Planning Manager

LIST OF ITEMS OPENED, CLOSED, AND DISCUSSED

None

LIST OF DOCUMENTS REVIEWED

Section 1EP1: Exercise Evaluation

James A. FitzPatrick Nuclear Power Plant Emergency Plan (Various Revisions)
James A. FitzPatrick Emergency Plan Implementing Procedures
EN-EP-306, Drills and Exercises (Revision 1)
James A. FitzPatrick June 21, 2011, Emergency Exercise Scenario Package
James A. FitzPatrick Emergency Preparedness Drill Reports, January 2010 – May 2011:
JEP-10-0003; JEP-10-0004; JEP-10-0007; JEP-1-0008; JEP-11-0002; JEP-11-0004;
JEP-11-0012
Condition Reports generated as a result of the June 21, 2011, exercise (as documented in JEP-11-0014, "JAF NRC/FEMA Emergency Plan Exercise, June 21, 2011," dated July 7, 2011).

Section 1EP4: Emergency Action Level and Emergency Plan Changes

James A. FitzPatrick Nuclear Power Plant Emergency Plan (Various Revisions)
EN-LI-100, Process Applicability Determination (Revision 9)
EN-LI-101, 10CFR50.59 Evaluation Program (Revision 5)
EN-LI-113, Licensing Basis Document Change Process (Revision 4)
EN-EP-305, Emergency Planning 10CFR50.54(q) Review Program (Revision 1)
FitzPatrick 50.54(q) Screenings and Evaluations, May 2010 through June 2011

Section 4OA1: Performance Indicator Verification

EN-EP-201, Performance Indicators (Revision 10)
DEP PI Data, March 2010 – March 2011
ERO Drill Participation PI Data, March 2010 – March 2011
ANS Reliability PI Data, March 2010 – March 2011

LIST OF ACRONYMS

ANS	Alert Notification System
CR	Condition Report
DEP	Drill and Exercise Performance
EAL	Emergency Action Level
EOF	Emergency Operations Facility
EP	Emergency Preparedness
ERO	Emergency Response Organization
JIC	Joint Information Center
NEI	Nuclear Energy Institute
NRC	Nuclear Regulatory Commission
OSC	Operations Support Center
PI	Performance Indicator
RSPS	Risk Significant Planning Standard
TSC	Technical Support Center